

### Status: Path 1 of [Dialog Information Services via Modem]

### Status: Initializing TCP/IP using (UseTelnetProto 1 ServiceID pto-dialog)  
Trying 3106900061...Open

DIALOG INFORMATION SERVICES

PLEASE LOGON:

\*\*\*\*\* HHHHHHHH SSSSSSSS?

### Status: Signing onto Dialog

\*\*\*\*\*

ENTER PASSWORD:

\*\*\*\*\* HHHHHHHH SSSSSSSS? \*\*\*\*\*

Welcome to DIALOG

### Status: Connected

Dialog level 02.01.23D

Last logoff: 31jan02 17:03:09

Logon file001 01feb02 08:23:12

\*\*\* ANNOUNCEMENT \*\*\*

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--Connect Time joins DialUnits as pricing  
options on Dialog. See HELP CONNECT for  
information.

\*\*\*

--SourceOne patents are now delivered to your  
email inbox as PDF replacing TIFF delivery.  
See HELP SOURCE1 for more information.

\*\*\*

--Important news for public and academic  
libraries. See HELP LIBRARY for more information.

\*\*\*

--Important Notice to Freelance Authors--  
See HELP FREELANCE for more information

\*\*\*

NEW FILES RELEASED

\*\*\*TEME - Technology and Management (File 95)

\*\*\*NewsRx Weekly Reports (File 135)

\*\*\*TRADEMARKSCAN-Japan (File 669)

\*\*\*Financial Times Fulltext (File 476)

\*\*\*

UPDATING RESUMED

\*\*\*Delphes European Business (File 481)

\*\*\*

RELOADED

\*\*\*CLAIMS/US PATENTS (Files 340, 341, 942)

\*\*\*Kompas Middle East/Africa/Mediterranean (File 585)

\*\*\*Kompas Asia/Pacific (File 592)

\*\*\*Kompas Central/Eastern Europe (File 593)

\*\*\*Kompas Canada (File 594)

\*\*\*CANCERLIT (File 159)

\*\*\*D&B - Dun's Market Identifiers (516)

\*\*\*Information Science Abstracts (File 202)

REMOVED

\*\*\*Tax Notes Today (File 790)

\*\*\*State Tax Today (File 791)

\*\*\*Worldwide Tax Daily (File 792)

\*\*\*Court Filings (File 793)

\*\*\*New document supplier\*\*\*

IMED has been changed to INFOTRIE (see HELP OINFOTRI)

>>>Get immediate news with Dialog's First Release news service. First Release updates major newswire databases within 15 minutes of transmission over the wire. First Release provides full Dialog searchability and full-text features. To search First Release files in OneSearch simply BEGIN FIRST for coverage from Dialog's broad spectrum of news wires.

>>> Enter BEGIN HOMEBASE for Dialog Announcements <<<  
>>> of new databases, price changes, etc. <<<  
\*\*\*\*\*

KWIC is set to 50.  
HIGHLIGHT set on as '\*'  
\*\*\*\*\*

File 1:ERIC 1966-2002/Jan 11  
(c) format only 2002 The Dialog Corporation

Set	Items	Description
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Cost is in DialUnits

?b 155

01feb02 08:23:18 User259876 Session D314.1		
\$0.33	0.095 DialUnits	File1
\$0.33	Estimated cost	File1
\$0.33	Estimated cost	this search
\$0.33	Estimated total session cost	0.095 DialUnits

File 155:MEDLINE(R) 1966-2002/Jan W2

Set	Items	Description
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?s (folylpolyglutamate (w) synthetase (w) gene)

346	FOLYLPOLYGLUTAMATE
26122	SYNTHETASE
534511	GENE

S1 14 (FOLYLPOLYGLUTAMATE (W) SYNTHETASE (W) GENE)

?t s1/3,k/all

1/3,K/1

DIALOG(R) File 155:MEDLINE(R)

10898670 20549604 PMID: 10964921

**Expression patterns of the multiple transcripts from the  
\*folylpolyglutamate\* \*synthetase\* \*gene\* in human leukemias and normal  
differentiated tissues.**

Turner FB; Taylor SM; Moran RG

Departments of Pharmacology and Toxicology, Medical College of Virginia,  
Virginia Commonwealth University, Richmond, Virginia 23298, USA.

Journal of biological chemistry (UNITED STATES) Nov 17 2000, 275 (46)

p35960-8, ISSN 0021-9258 Journal Code: HIV

Contract/Grant No.: CA-39687, CA, NCI

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

**Expression patterns of the multiple transcripts from the  
\*folylpolyglutamate\* \*synthetase\* \*gene\* in human leukemias and normal  
differentiated tissues.**

1/3,K/2

DIALOG(R) File 155:MEDLINE(R)

10631671 20279558 PMID: 10821538

**Marked variation of thymidylate synthase and \*folylpolyglutamate\*  
\*synthetase\* \*gene\* expression in human colorectal tumors.**

Mini E; Biondi C; Morganti M; Napoli C; Mazzoni P; Cianchi F; Tonelli F;  
Cortesini C; Capaccioli S; Ficari F; Quattrone A; Rossi S; Mazzei T

Dipartimento di Farmacologia Preclinica e Clinica, Universita degli Studi  
di Firenze, Italy.

Oncology research (UNITED STATES) 1999, 11 (9) p437-45, ISSN  
0965-0407 Journal Code: BBN

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

**Marked variation of thymidylate synthase and \*folylpolyglutamate\*  
\*synthetase\* \*gene\* expression in human colorectal tumors.**

1/3,K/3

DIALOG(R) File 155:MEDLINE(R)

10534042 20184744 PMID: 10721719

**Two promoters regulate transcription of the mouse \*folylpolyglutamate\*  
\*synthetase\* \*gene\* three tightly clustered Spl sites within the first  
intron markedly enhance activity of promoter B.**

Chen J; Hayes P; Roy K; Sirotinak FM

Program of Molecular Pharmacology and Experimental Therapeutics, Memorial  
Sloan-Kettering Cancer Center, Cornell University, New York, NY 10021, USA.

Gene (NETHERLANDS) Jan 25 2000, 242 (1-2) p257-64, ISSN 0378-1119  
Journal Code: FOP

Contract/Grant No.: CA08748, CA, NCI; CA55617, CA, NCI

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

**Two promoters regulate transcription of the mouse \*folylpolyglutamate\*  
\*synthetase\* \*gene\* three tightly clustered Spl sites within the first  
intron markedly enhance activity of promoter B.**

1/3,K/4

DIALOG(R) File 155:MEDLINE(R)

10349294 99435152 PMID: 10507318

**Variable expression of the \*folylpolyglutamate\* \*synthetase\* \*gene\* at  
the level of mRNA transcription in human leukemia cell lines sensitive, or  
made resistant, to various antifolate drugs.**

Takemura Y; Kobayashi H; Miyachi H

Department of Laboratory Medicine, National Defense Medical College,  
Tokorozawa, Saitama, Japan. takemura@bcm.tmc.edu

Anti-cancer drugs (ENGLAND) Aug 1999, 10 (7) p677-83, ISSN  
0959-4973 Journal Code: A9F

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

**Variable expression of the \*folylpolyglutamate\* \*synthetase\* \*gene\* at  
the level of mRNA transcription in human leukemia cell lines sensitive, or  
made resistant, to various antifolate drugs.**

1/3,K/5

DIALOG(R) File 155:MEDLINE(R)

10007811 99104470 PMID: 9887523

**Folylpolyglutamate synthesis in Neurospora crassa: primary structure of  
the \*folylpolyglutamate\* \*synthetase\* \*gene\* and elucidation of the met-6  
mutation.**

Atkinson IJ; Nargang FE; Cossins EA  
Department of Biological Sciences, University of Alberta, Edmonton,  
Canada.

Phytochemistry (UNITED STATES) Dec 1998, 49 (8) p2221-32, ISSN  
0031-9422 Journal Code: ALB  
Erratum in Phytochemistry 1999 Nov;52(6) 1183-4  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

**Folylpolyglutamate synthesis in Neurospora crassa: primary structure of  
the \*folylpolyglutamate\* \*synthetase\* \*gene\* and elucidation of the met-6  
mutation.**

1/3,K/6  
DIALOG(R) File 155:MEDLINE(R)

09396316 97190284 PMID: 9038166

**Additional organizational features of the murine \*folylpolyglutamate\*  
\*synthetase\* \*gene\* . Two remotely situated exons encoding an alternate 5'  
end and proximal open reading frame under the control of a second promoter.**

Roy K; Mitsugi K; Sirotinak FM  
Program of Molecular Pharmacology and Therapeutics, Memorial  
Sloan-Kettering Cancer Center, New York, New York 10021, USA.  
Journal of biological chemistry (UNITED STATES) Feb 28 1997, 272 (9)  
p5587-93, ISSN 0021-9258 Journal Code: HIV  
Contract/Grant No.: CA08748, CA, NCI; CA56417, CA, NCI  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

**Additional organizational features of the murine \*folylpolyglutamate\*  
\*synthetase\* \*gene\* . Two remotely situated exons encoding an alternate 5'  
end and proximal open reading frame under the control of a second promoter.**

1/3,K/7  
DIALOG(R) File 155:MEDLINE(R)

09396295 97207242 PMID: 9054377

**Posttranscriptionally mediated decreases in \*folylpolyglutamate\*  
\*synthetase\* \*gene\* expression in some folate analogue-resistant variants  
of the L1210 cell. Evidence for an altered cognate mRNA in the variants  
affecting the rate of de novo synthesis of the enzyme.**

Roy K; Egan MG; Sirlin S; Sirotinak FM  
Program in Molecular Pharmacology and Therapeutics, Memorial  
Sloan-Kettering Cancer Center, New York, New York 10021, USA.  
Journal of biological chemistry (UNITED STATES) Mar 14 1997, 272 (11)  
p6903-8, ISSN 0021-9258 Journal Code: HIV  
Contract/Grant No.: CA08748, CA, NCI; CA56517, CA, NCI  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

**Posttranscriptionally mediated decreases in \*folylpolyglutamate\*  
\*synthetase\* \*gene\* expression in some folate analogue-resistant variants  
of the L1210 cell. Evidence for an altered cognate mRNA in the variants  
affecting the rate of de...**

1/3,K/8  
DIALOG(R) File 155:MEDLINE(R)

09190964 96394505 PMID: 8798611

**Organization and alternate splicing of the murine \*folylpolyglutamate\***

**\*synthetase\* \*gene\* . Different splice variants in L1210 cells encode mitochondrial or cytosolic forms of the enzyme.**

Roy K; Mitsugi K; Sirotinak FM  
Program in Molecular Pharmacology and Therapeutics, Memorial Sloan-Kettering Cancer Center, Cornell University, New York, New York 10021, USA.

Journal of biological chemistry (UNITED STATES) Sep 27 1996, 271 (39) p23820-7, ISSN 0021-9258 Journal Code: HIV

Contract/Grant No.: CA08748, CA, NCI; CA56517, CA, NCI

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

**Organization and alternate splicing of the murine \*folylpolyglutamate\*  
\*synthetase\* \*gene\* . Different splice variants in L1210 cells encode mitochondrial or cytosolic forms of the enzyme.**

**1/3,K/9**

DIALOG(R) File 155:MEDLINE(R)

08801110 96070787 PMID: 7592937

**Different antifolate-resistant L1210 cell variants with either increased or decreased \*folylpolyglutamate\* \*synthetase\* \*gene\* expression at the level of mRNA transcription.**

Roy K; Mitsugi K; Sirlin S; Shane B; Sirotinak FM  
Program in Molecular Pharmacology and Therapeutics, Memorial Sloan-Kettering Cancer Center, New York, New York 10021, USA.

Journal of biological chemistry (UNITED STATES) Nov 10 1995, 270 (45) p26918-22, ISSN 0021-9258 Journal Code: HIV

Contract/Grant No.: CA08748, CA, NCI; CA56517, CA, NCI

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

**Different antifolate-resistant L1210 cell variants with either increased or decreased \*folylpolyglutamate\* \*synthetase\* \*gene\* expression at the level of mRNA transcription.**

**1/3,K/10**

DIALOG(R) File 155:MEDLINE(R)

08450263 95170143 PMID: 7865908

**Quantitative analysis of \*folylpolyglutamate\* \*synthetase\* \*gene\* expression in tumor tissues by the polymerase chain reaction: marked variation of expression among leukemia patients.**

Lenz HJ; Danenberg K; Schnieders B; Goeker E; Peters GJ; Garrow T; Shane B; Bertino JR; Danenberg PV

Kenneth T. Norris Jr. Cancer Hospital and Research Institute, University of Southern California, Los Angeles 90033.

Oncology research (UNITED STATES) 1994, 6 (7) p329-35, ISSN 0965-0407 Journal Code: BBN

Languages: ENGLISH

Document type: Journal Article

Record type: Completed

**Quantitative analysis of \*folylpolyglutamate\* \*synthetase\* \*gene\* expression in tumor tissues by the polymerase chain reaction: marked variation of expression among leukemia patients.**

**1/3,K/11**

DIALOG(R) File 155:MEDLINE(R)

08444086 95070138 PMID: 7979375

**Mutagenesis of the Lactobacillus casei \*folylpolyglutamate\* \*synthetase\*  
\*gene\* at essential residues resembling an ATP binding site.**

Toy J; Bognar AL  
Department of Microbiology, University of Toronto, Ontario, Canada.  
Archives of biochemistry and biophysics (UNITED STATES) Nov 1 1994,  
314 (2) p344-50, ISSN 0003-9861 Journal Code: 6SK  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

**Mutagenesis of the Lactobacillus casei \*folylpolyglutamate\* \*synthetase\*  
\*gene\* at essential residues resembling an ATP binding site.**

**1/3,K/12**

DIALOG(R) File 155:MEDLINE(R)

08032950 93224476 PMID: 8468307

**Cloning and sequence determination of the valS gene, encoding valyl-tRNA  
synthetase in Lactobacillus casei.**

Taylor BV; Toy J; Sit TL; Bognar AL  
Department of Microbiology, University of Toronto, Ontario, Canada.  
Journal of bacteriology (UNITED STATES) Apr 1993, 175 (8) p2475-8,  
ISSN 0021-9193 Journal Code: HH3  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

...L. casei valS gene functionally complemented the temperature-sensitive growth of the valS mutant strain 236c of Escherichia coli. The valS gene and the downstream \*folylpolyglutamate\* \*synthetase\* \*gene\* are transcribed in the same direction but are separated by a putative transcription terminator.

**1/3,K/13**

DIALOG(R) File 155:MEDLINE(R)

07797977 92193258 PMID: 1548226

**Replacement of the folC gene, encoding folylpolyglutamate  
synthetase-dihydrofolate synthetase in Escherichia coli, with genes  
mutagenized in vitro.**

Pyne C; Bognar AL  
Department of Microbiology, University of Toronto, Ontario, Canada.  
Journal of bacteriology (UNITED STATES) Mar 1992, 174 (6) p1750-9,  
ISSN 0021-9193 Journal Code: HH3  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

... mutant genes expressing low levels of enzyme activity replaced the complementing plasmid, but the strains produced were auxotrophic for products of folate-dependent pathways. The \*folylpolyglutamate\* \*synthetase\* \*gene\* from Lactobacillus casei, which may lack dihydrofolate synthetase activity, replaced the complementing plasmid, but the strain was auxotrophic for all folate end products.

**1/3,K/14**

DIALOG(R) File 155:MEDLINE(R)

06951969 90153863 PMID: 2105929

**Cloning and expression of the gene encoding Lactobacillus casei  
folylpoly-gamma-glutamate synthetase in Escherichia coli and determination  
of its primary structure.**

Toy J; Bognar AL

Department of Microbiology, University of Toronto, Ontario, Canada.  
Journal of biological chemistry (UNITED STATES) Feb 15 1990, 265 (5)  
p2492-9, ISSN 0021-9258 Journal Code: HIV  
Languages: ENGLISH  
Document type: Journal Article  
Record type: Completed

... Mr = 43,000, identical with that of purified L. casei folylpolyglutamate synthetase, was expressed in maxicells containing the complementing plasmid. The nucleotide sequence of the \*folylpolyglutamate\* \*synthetase\* \*gene\* was determined. An open reading frame of 1,284 bases was found predicting a protein product of 428 amino acids with Mr = 44,169. The...

... coli folylpolyglutamate synthetase. Primer extension studies indicate that the transcription initiation site is at -59 base pairs, relative to the initiation ATG codon of the \*folylpolyglutamate\* \*synthetase\* \*gene\*, suggesting that the gene is transcribed independently of upstream genes. A second open reading frame was found downstream of the folylpolyglutamate synthetase open reading frame, overlapping the final codon by 1 base pair. This downstream gene may be co-transcribed with the \*folylpolyglutamate\* \*synthetase\* \*gene\*.  
?ds

Set	Items	Description
S1	14	(FOLYLPOLYGLUTAMATE (W) SYNTHETASE (W) GENE)

?logoff

01feb02 08:28:20 User259876 Session D314.2

\$1.50	0.469	DialUnits	File155
\$2.94	14	Type(s)	in Format 3
\$2.94	14	Types	
\$4.44		Estimated cost	File155
\$0.40		TYMNET	
\$4.84		Estimated cost this search	
\$5.17		Estimated total session cost	0.564 DialUnits

### Status: Signed Off. (6 minutes)